

Find the rate of change from the following tables.

1.

x	y
-3	-5
-1	-1
1	3
3	7
5	11

2.

x	y
-11	-4
-6	-1
-1	2
4	5
9	8

3.

x	y
2	15
5	9
8	3
11	-3
14	-9

4.

x	y
4	-3
3	-4
2	-5
1	-6
0	-7

Find the rate of change from the following tables. Then fill in the missing value

5.

x	y
0	3
4	5
8	7
16	11
32	19
36	

6.

x	y
3	-3
2	-1
1	1
0	3
-1	5
	11

# Number Patterns

Complete the number sequences with the values that should come next.

4, 7, 10, 13, 16, 19, 22, 25, 28, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Pattern:

9, 9, 9, 11, 11, 11, 13, 13, 13, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Pattern:

5, 6, 10, 11, 15, 16, 20, 21, 25, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Pattern:

42, 39, 36, 33, 30, 27, 24, 21, 18, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Pattern:

16, 15, 14, 13, 12, 11, 10, 9, 8, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Pattern:

6, 11, 15, 20, 24, 29, 33, 38, 42, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Pattern:

-10, -40, -46, -184, -190, -760, -766, -3064, -3070, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Pattern: